



Attorney Docket No. 112631-140700  
PG No. P002

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Application of:

George Apostol Jr. et al.

Application No.: 10/086,938

Filed: 02/28/2002

For: A MULTI-SERVICE SYSTEM-ON-  
A-CHIP INCLUDING ON-CHIP  
MEMORY WITH MULTIPLE  
ACCESS PATHS

Examiner: Knoll, Clifford H.

Art Unit: 2112

Confirmation No.: 3929

**CERTIFICATE OF TRANSMISSION/MAILING**

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Mail Stop Amendment  
Commissioner for Patents  
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**AMENDMENT AND RESPONSE TO OFFICE ACTION**

This communication is submitted in response to the Office Action mailed September 14, 2004 (hereinafter "Office Action"). Reconsideration of the above captioned application in view of the amendments and remarks to follow is respectfully requested.

Claims 1-38 are pending.

**Summary** of the Office Action begins on page 2 of this paper.

**Amendments** to the claims are reflected in the listing of claims beginning on page 3 of this paper.

**Remarks** begin on page 10 of this paper.

## SUMMARY

In the Office Action claims 1-2, 15, 17, 26, and 35 are rejected under 35 U.S.C. 112, second paragraph; claims 1-4, 6-9, 11-20, 22-29, and 31-35 are rejected under 35 U.S.C. 102(e) as being anticipated by Chen (U.S. Pat. No. 5,197,130) (hereinafter "Chen"); claims 5, 10, 21, and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chen in view of Agarwala (U.S. Pat. No. 6,681,270) (hereinafter "Agarwala"); and claims 36-38 are objected to as being dependent upon a rejected base claim.